

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101823\
 Data File : BN028320.D
 Acq On : 18 Oct 2023 12:16
 Operator : MA/JU
 Sample : 02215-04
 Misc : SFAM-MDL-SOIL-02
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-QT2-2023-04

Quant Time: Oct 18 12:51:24 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN100323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 16 16:16:04 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/19/2023
 Supervised By :mohammad ahmed 10/20/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.895	152	2416	0.400	ng/ul	0.00
4) Naphthalene-d8	10.729	136	8186	0.400	ng/ul #	0.02
9) Acenaphthene-d10	14.546	164	4877	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.308	188	10648	0.400	ng/ul	0.00
17) Chrysene-d12	21.495	240	10306	0.400	ng/ul	0.00
23) Perylene-d12	23.942	264	10546	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.267	96	1414	0.466	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.324	152	4570	0.346	ng/ul	0.02
18) Fluoranthene-d10	19.334	212	13031	0.399	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.300	88	343m	0.107	ng/ul	
5) Naphthalene	10.779	128	1615	0.069	ng/ul#	76
7) 2-Methylnaphthalene	12.396	142	942	0.064	ng/ul	97
8) 1-Methylnaphthalene	12.605	142	1001	0.066	ng/ul	99
10) Acenaphthylene	14.282	152	1507	0.068	ng/ul#	85
11) Acenaphthene	14.610	153	1246	0.071	ng/ul	93
12) Fluorene	15.619	166	1375	0.070	ng/ul#	95
14) Pentachlorophenol	16.970	266	145	0.063	ng/ul#	90
15) Phenanthrene	17.350	178	2321	0.073	ng/ul#	90
16) Anthracene	17.451	178	1894	0.067	ng/ul#	86
19) Fluoranthene	19.362	202	2738	0.070	ng/ul#	93
20) Pyrene	19.734	202	2811	0.069	ng/ul	95
21) Benzo(a)anthracene	21.481	228	2503	0.067	ng/ul	93
22) Chrysene	21.533	228	2746	0.072	ng/ul	96
24) Benzo(b)fluoranthene	23.188	252	2775	0.071	ng/ul#	64
25) Benzo(k)fluoranthene	23.237	252	2818	0.072	ng/ul#	62
26) Benzo(a)pyrene	23.837	252	2447	0.073	ng/ul#	47
27) Indeno(1,2,3-cd)pyrene	26.525	276	3065	0.076	ng/ul#	99
28) Dibenzo(a,h)anthracene	26.532	278	2473	0.075	ng/ul#	53
29) Benzo(g,h,i)perylene	27.330	276	2613	0.079	ng/ul#	81

(#) = qualifier out of range (m) = manual integration (+) = signals summed

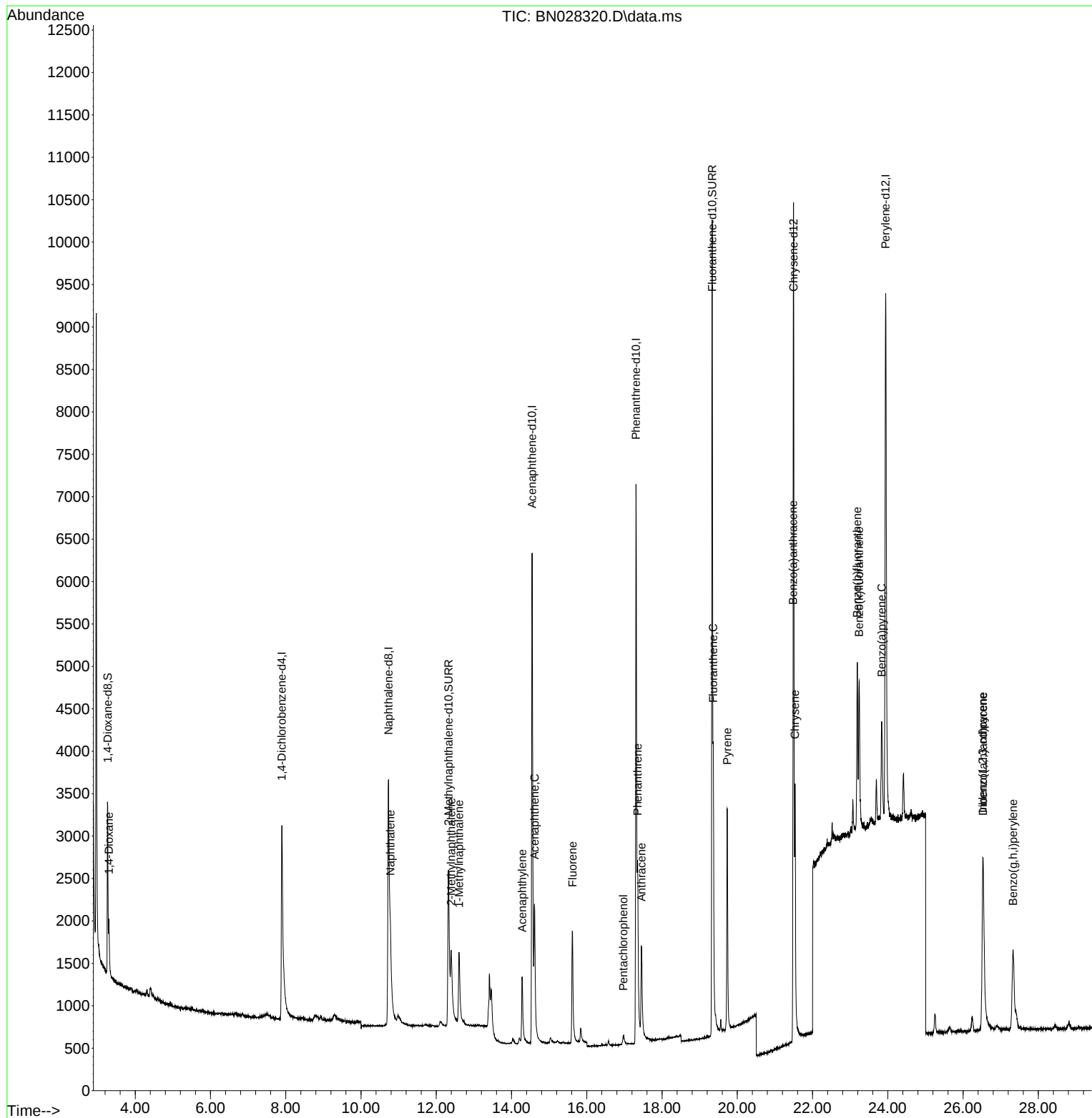
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101823\
Data File : BN028320.D
Acq On : 18 Oct 2023 12:16
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ALS Vial : 6 Sample Multiplier: 1

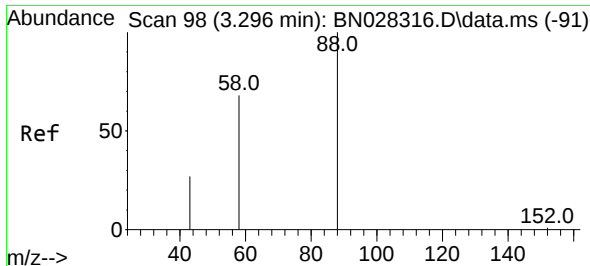
Instrument :
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MDL-SOIL-QT2-2023-04

Quant Time: Oct 18 12:51:24 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN100323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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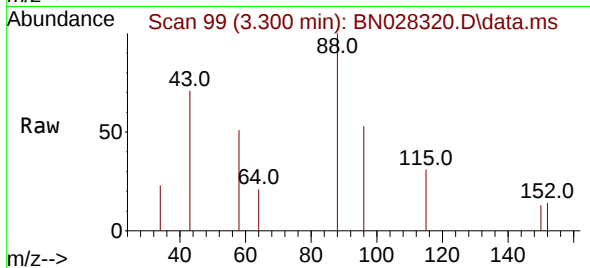
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023





#2
1,4-Dioxane
Concen: 0.107 ng/ul m
RT: 3.300 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN028320.D
Acq: 18 Oct 2023 12:16

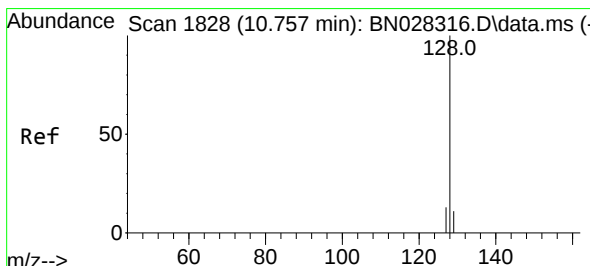
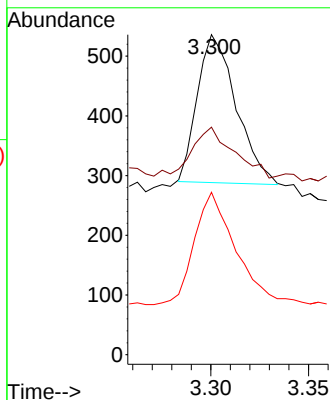
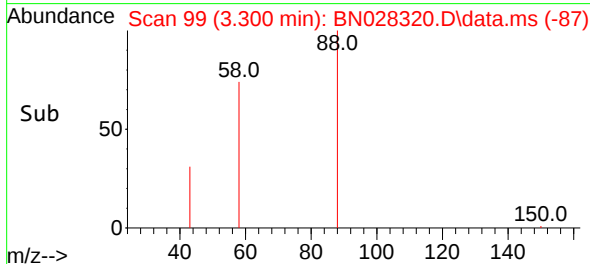
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT2-2023-04



Tgt Ion: 88 Resp: 34
Ion Ratio Lower Upper
88 100
43 71.1 33.4 50.2
58 50.7 45.7 68.5

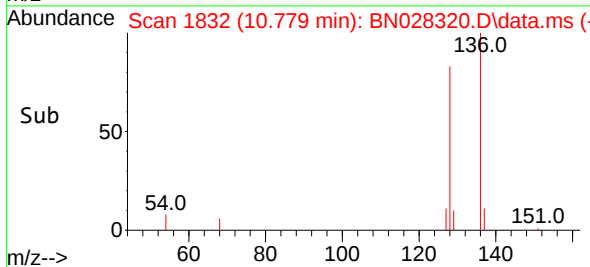
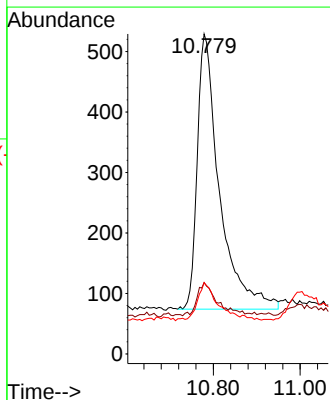
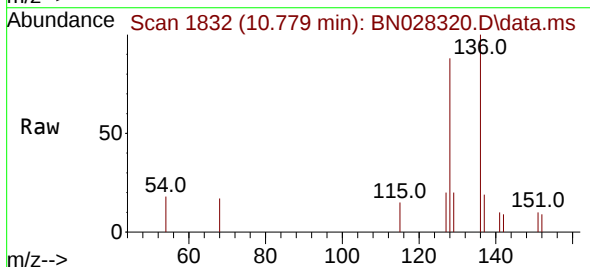
Manual Integrations
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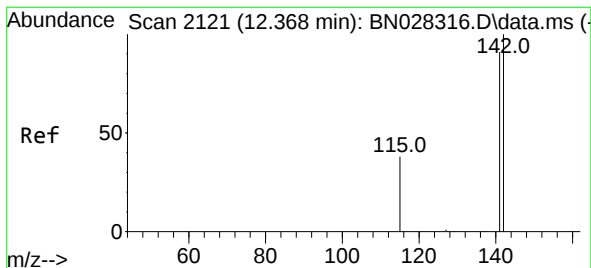
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023



#5
Naphthalene
Concen: 0.069 ng/ul
RT: 10.779 min Scan# 1832
Delta R.T. 0.016 min
Lab File: BN028320.D
Acq: 18 Oct 2023 12:16

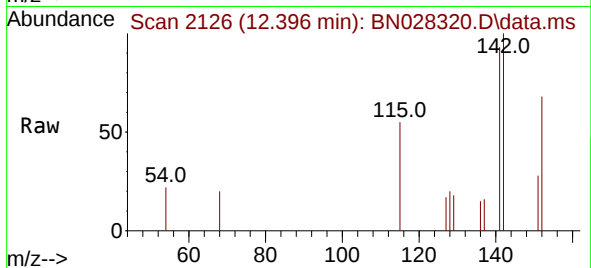
Tgt Ion:128 Resp: 1615
Ion Ratio Lower Upper
128 100
129 22.3 9.4 14.0#
127 22.3 11.0 16.4#





#7
2-Methylnaphthalene
Concen: 0.064 ng/ul
RT: 12.396 min Scan# 2121
Delta R.T. 0.016 min
Lab File: BN028320.D
Acq: 18 Oct 2023 12:16

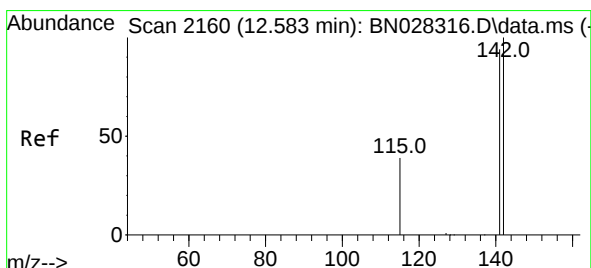
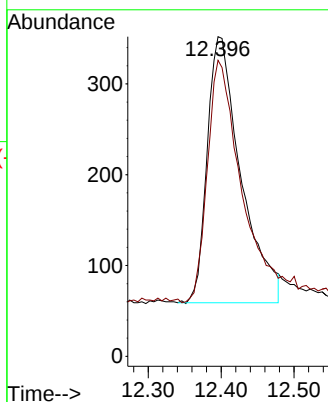
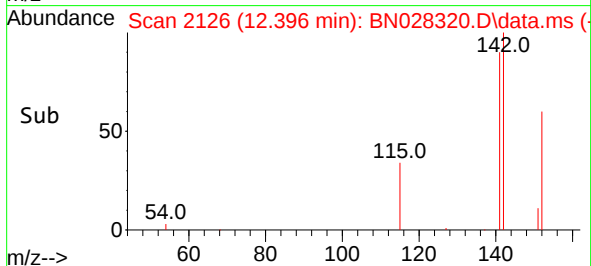
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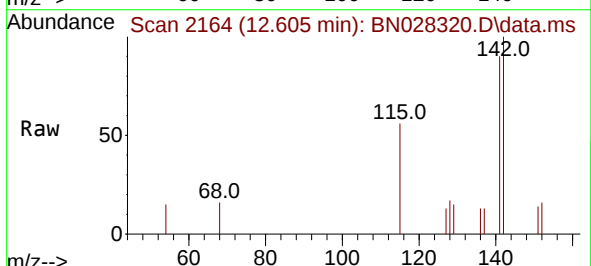
Tgt Ion:142 Resp: 942
Ion Ratio Lower Upper
142 100
141 91.4 70.9 106.3

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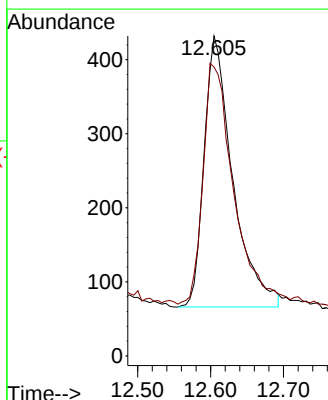
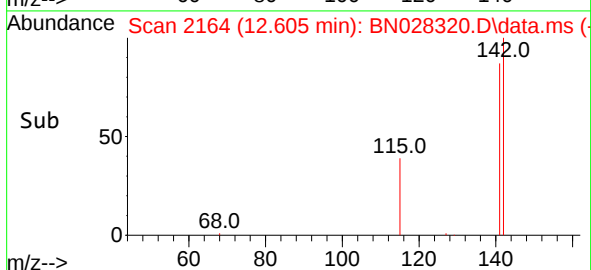
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023

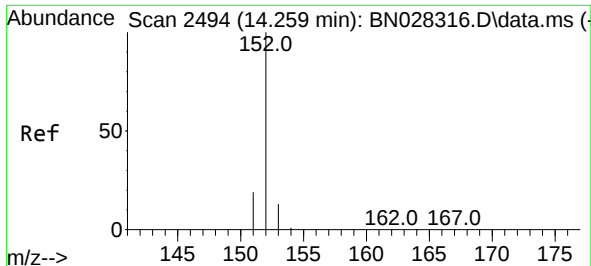


#8
1-Methylnaphthalene
Concen: 0.066 ng/ul
RT: 12.605 min Scan# 2164
Delta R.T. 0.011 min
Lab File: BN028320.D
Acq: 18 Oct 2023 12:16



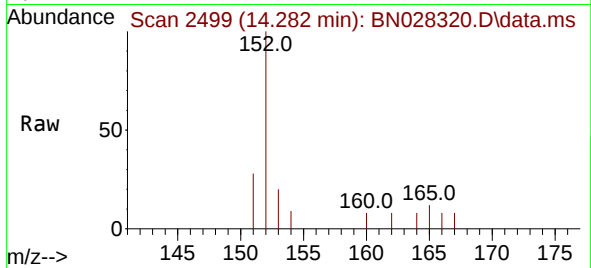
Tgt Ion:142 Resp: 1001
Ion Ratio Lower Upper
142 100
141 93.6 74.4 111.6





#10
Acenaphthylene
Concen: 0.068 ng/ul
RT: 14.282 min Scan# 2499
Delta R.T. 0.009 min
Lab File: BN028320.D
Acq: 18 Oct 2023 12:16

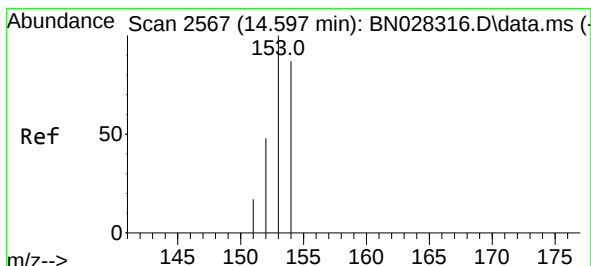
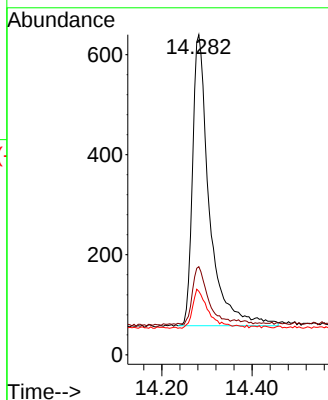
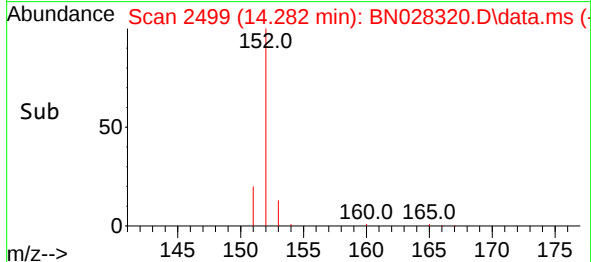
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT2-2023-04



Tgt Ion:152 Resp: 1507
Ion Ratio Lower Upper
152 100
151 27.5 16.4 24.6
153 19.8 10.9 16.3

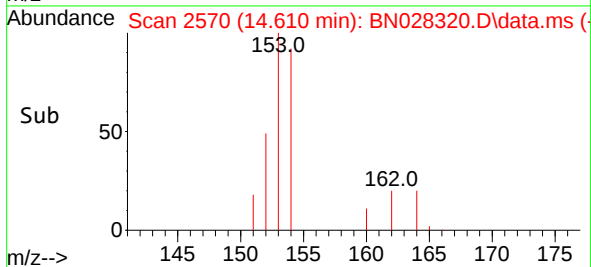
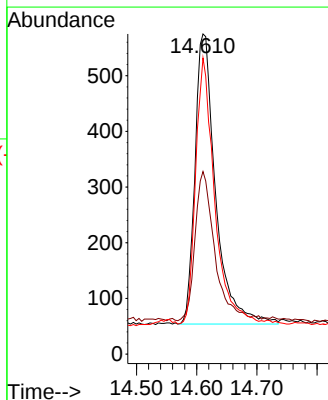
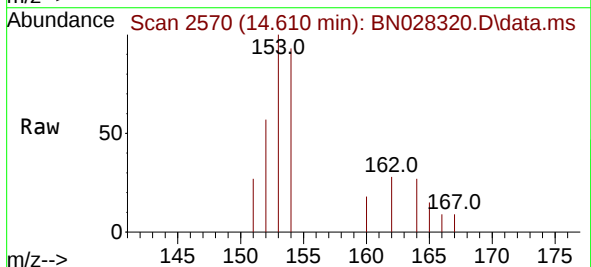
Manual Integrations
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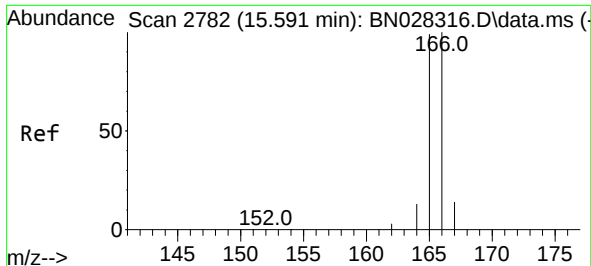
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023



#11
Acenaphthene
Concen: 0.071 ng/ul
RT: 14.610 min Scan# 2570
Delta R.T. 0.005 min
Lab File: BN028320.D
Acq: 18 Oct 2023 12:16

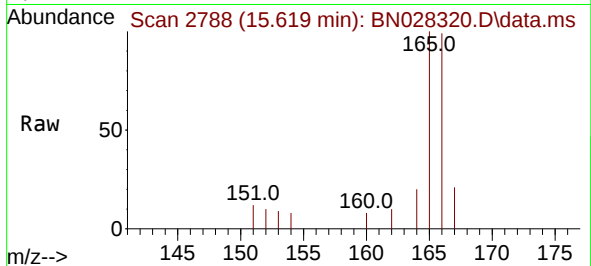
Tgt Ion:153 Resp: 1246
Ion Ratio Lower Upper
153 100
152 57.0 39.4 59.0
154 92.5 70.2 105.4





#12
Fluorene
Concen: 0.070 ng/ul
RT: 15.619 min Scan# 21
Delta R.T. 0.018 min
Lab File: BN028320.D
Acq: 18 Oct 2023 12:16

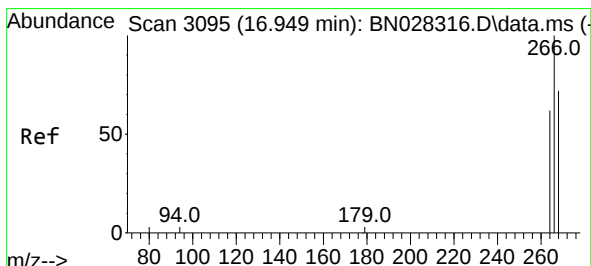
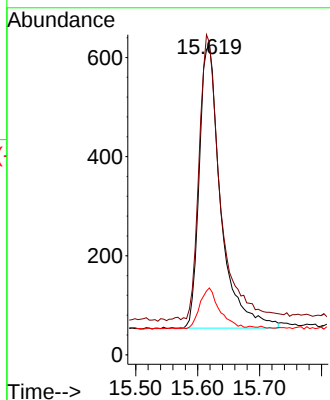
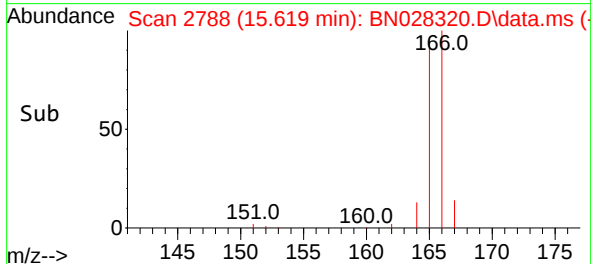
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT2-2023-04



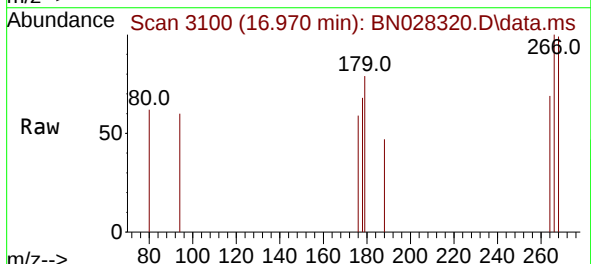
Tgt Ion:166 Resp: 137
Ion Ratio Lower Upper
166 100
165 100.8 78.5 117.7
167 21.6 11.2 16.8

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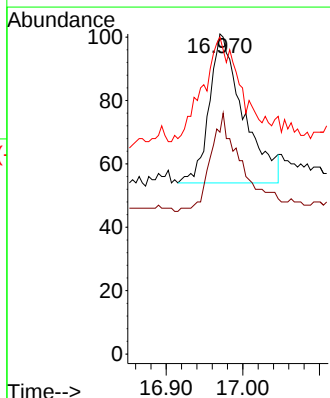
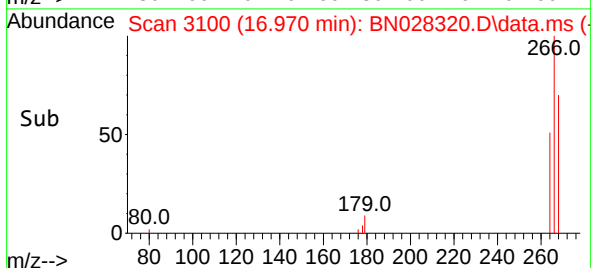
Reviewed By :Yogesh Patel 10/19/2023
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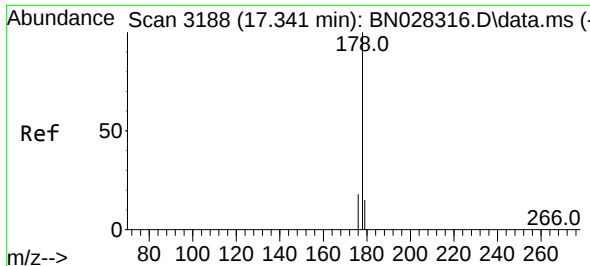


#14
Pentachlorophenol
Concen: 0.063 ng/ul
RT: 16.970 min Scan# 3100
Delta R.T. 0.009 min
Lab File: BN028320.D
Acq: 18 Oct 2023 12:16



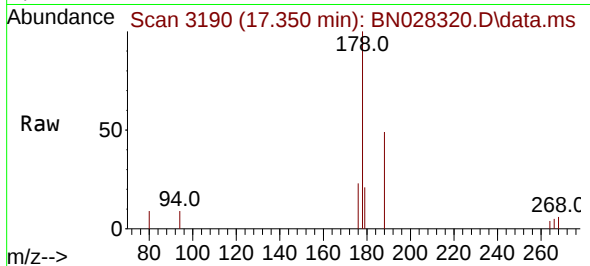
Tgt Ion:266 Resp: 145
Ion Ratio Lower Upper
266 100
264 61.4 49.6 74.4
268 80.0 52.2 78.4





#15
Phenanthrene
Concen: 0.073 ng/u1
RT: 17.350 min Scan# 3188
Delta R.T. 0.005 min
Lab File: BN028320.D
Acq: 18 Oct 2023 12:16

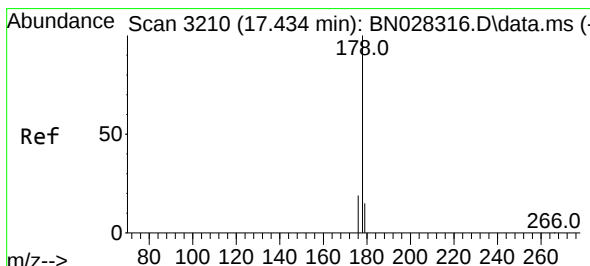
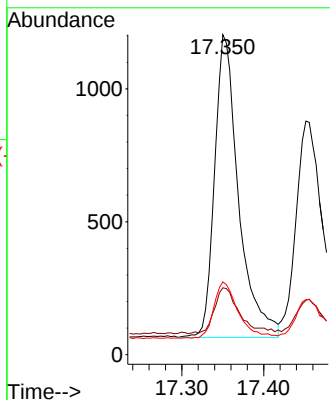
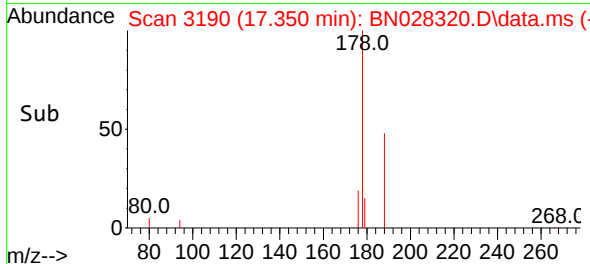
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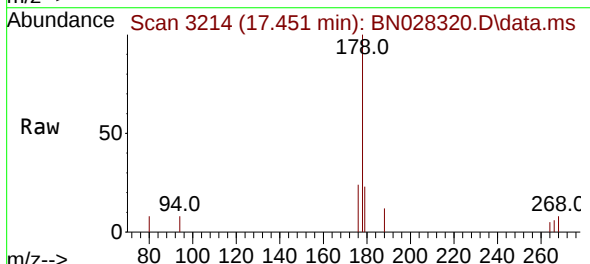
Tgt Ion:178 Resp: 232
Ion Ratio Lower Upper
178 100
179 20.9 12.6 19.0#
176 22.8 15.5 23.3#

Manual Integrations
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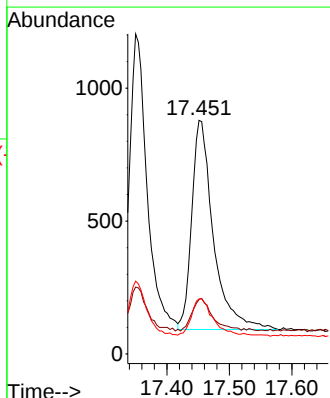
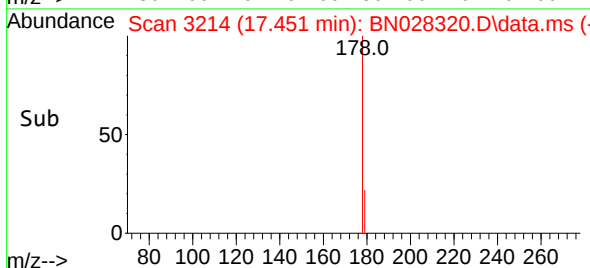
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023

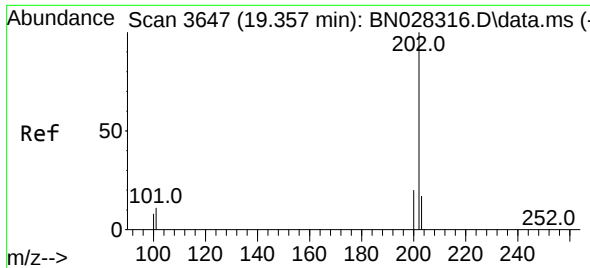


#16
Anthracene
Concen: 0.067 ng/u1
RT: 17.451 min Scan# 3214
Delta R.T. 0.009 min
Lab File: BN028320.D
Acq: 18 Oct 2023 12:16



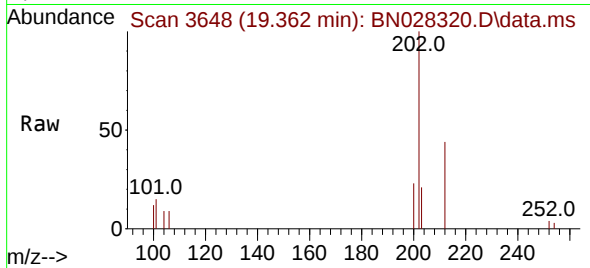
Tgt Ion:178 Resp: 1894
Ion Ratio Lower Upper
178 100
179 23.3 12.8 19.2#
176 23.5 15.0 22.6#





#19
Fluoranthene
Concen: 0.070 ng/u1
RT: 19.362 min Scan# 3648
Delta R.T. -0.004 min
Lab File: BN028320.D
Acq: 18 Oct 2023 12:16

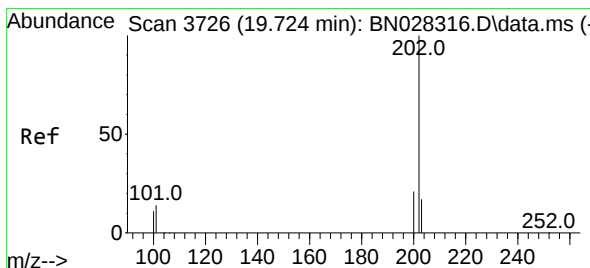
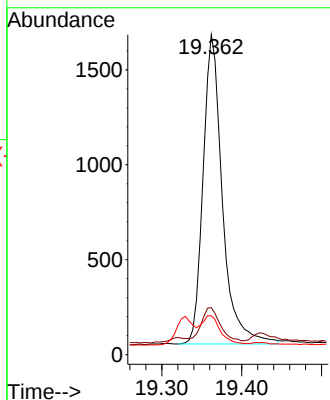
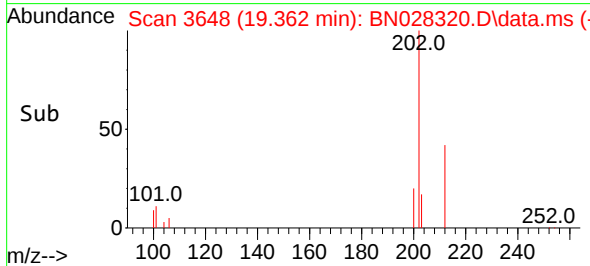
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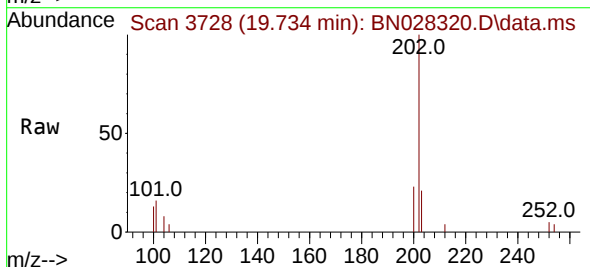
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202 100
101 14.7 9.6 14.4
100 12.1 7.4 11.0

Manual Integrations
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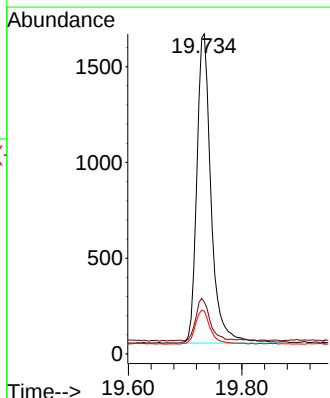
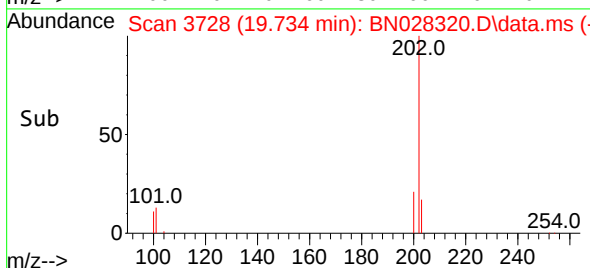
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023

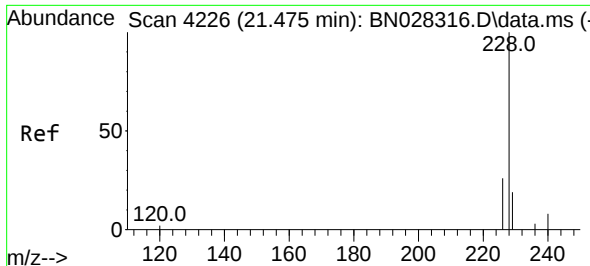


#20
Pyrene
Concen: 0.069 ng/u1
RT: 19.734 min Scan# 3728
Delta R.T. 0.000 min
Lab File: BN028320.D
Acq: 18 Oct 2023 12:16



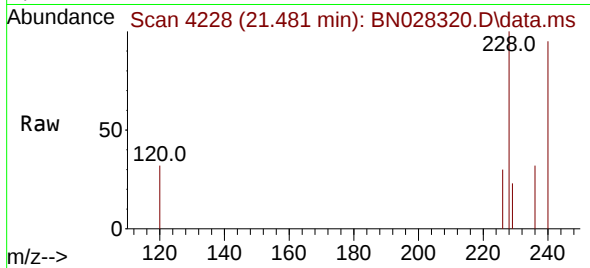
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Ion Ratio Lower Upper
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101 16.2 11.2 16.8
100 13.4 9.1 13.7





#21
Benzo(a)anthracene
Concen: 0.067 ng/ul
RT: 21.481 min Scan# 4228
Delta R.T. -0.003 min
Lab File: BN028320.D
Acq: 18 Oct 2023 12:16

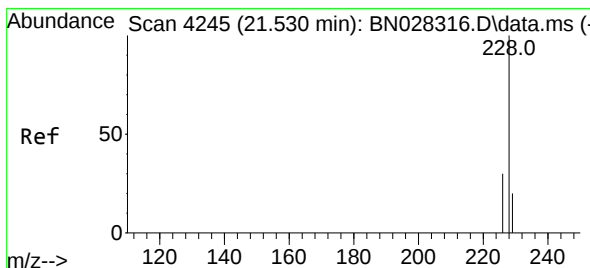
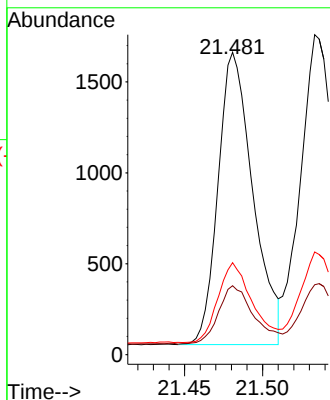
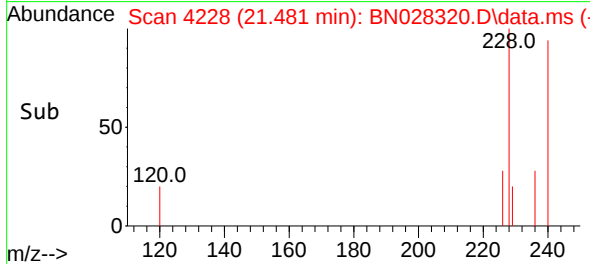
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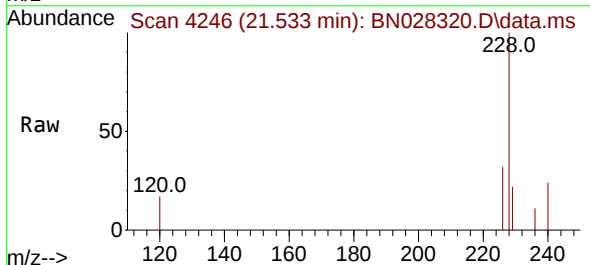
Tgt Ion:228 Resp: 2500
Ion Ratio Lower Upper
228 100
229 22.8 16.0 24.0
226 30.4 21.5 32.3

Manual Integrations
APPROVED

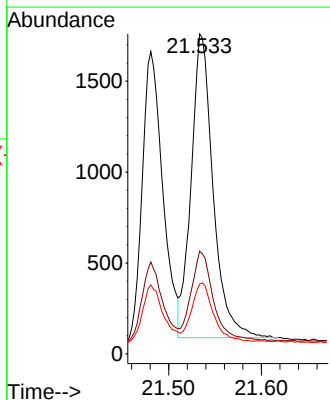
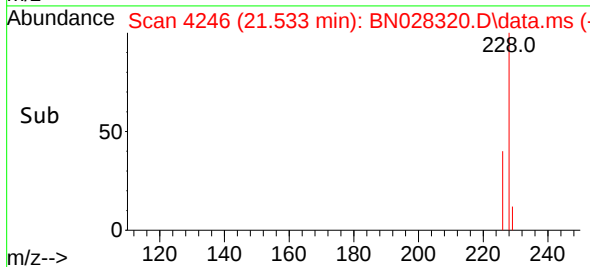
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023

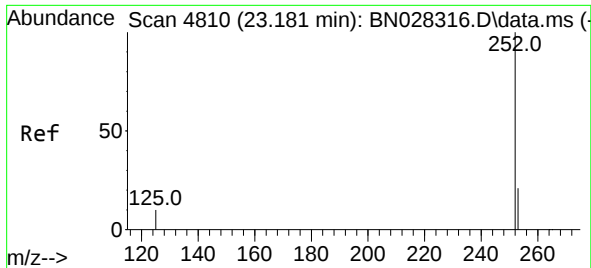


#22
Chrysene
Concen: 0.072 ng/ul
RT: 21.533 min Scan# 4246
Delta R.T. -0.003 min
Lab File: BN028320.D
Acq: 18 Oct 2023 12:16



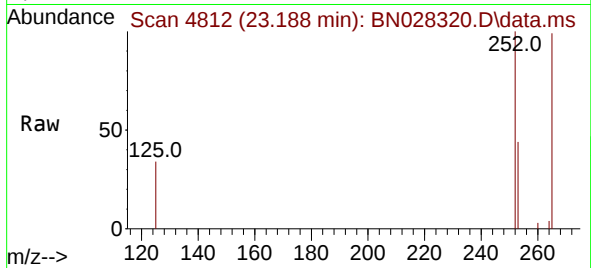
Tgt Ion:228 Resp: 2746
Ion Ratio Lower Upper
228 100
226 32.1 23.8 35.8
229 21.8 16.0 24.0





#24
Benzo(b)fluoranthene
Concen: 0.071 ng/ul
RT: 23.188 min Scan# 4810
Delta R.T. -0.006 min
Lab File: BN028320.D
Acq: 18 Oct 2023 12:16

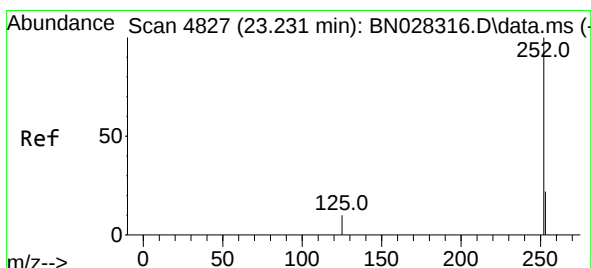
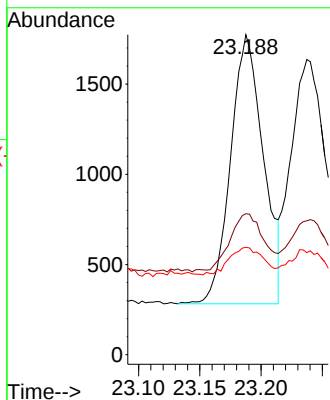
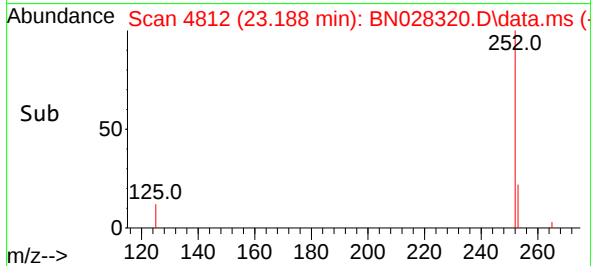
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT2-2023-04



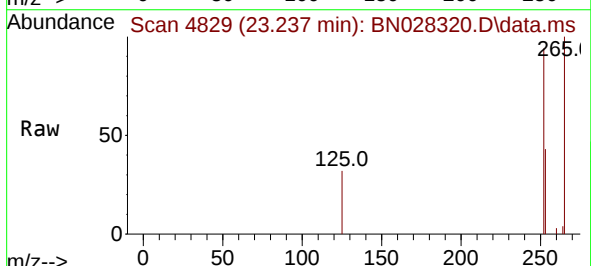
Tgt Ion:252 Resp: 2775
Ion Ratio Lower Upper
252 100
253 44.1 0.0 54.0
125 33.5 0.0 31.4

Manual Integrations
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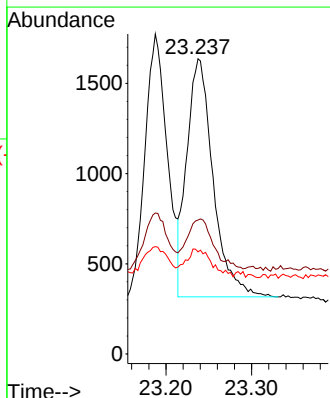
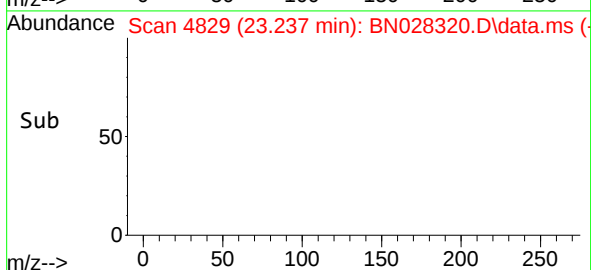
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023

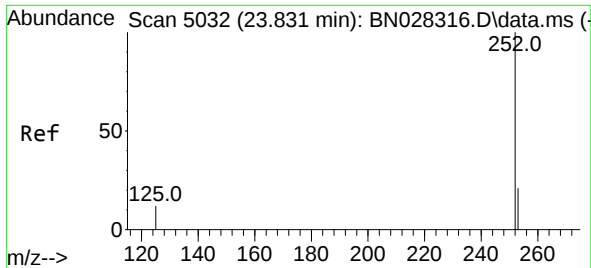


#25
Benzo(k)fluoranthene
Concen: 0.072 ng/ul
RT: 23.237 min Scan# 4829
Delta R.T. -0.003 min
Lab File: BN028320.D
Acq: 18 Oct 2023 12:16



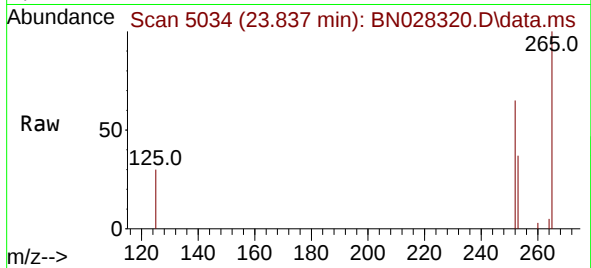
Tgt Ion:252 Resp: 2818
Ion Ratio Lower Upper
252 100
253 45.4 21.8 32.8#
125 34.6 12.8 19.2#





#26
Benzo(a)pyrene
Concen: 0.073 ng/ul
RT: 23.837 min Scan# 5034
Delta R.T. -0.006 min
Lab File: BN028320.D
Acq: 18 Oct 2023 12:16

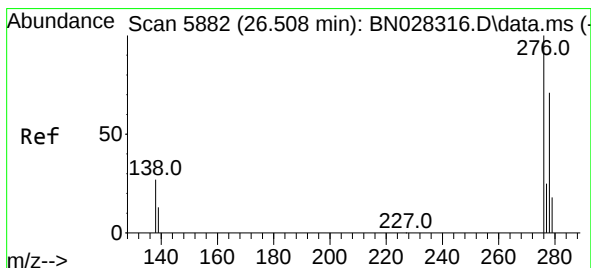
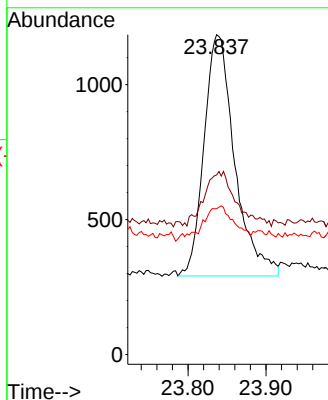
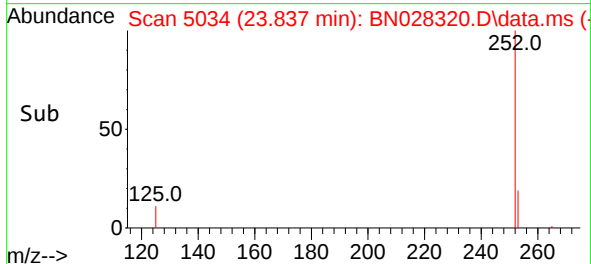
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT2-2023-04



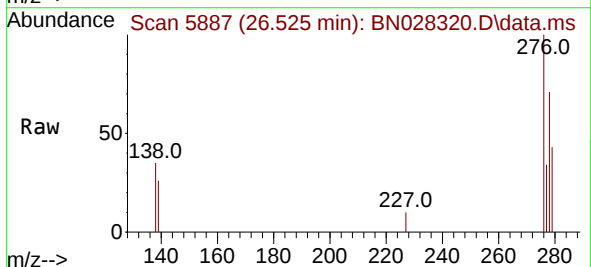
Tgt Ion:252 Resp: 244
Ion Ratio Lower Upper
252 100
253 56.1 23.4 35.2
125 45.6 15.3 22.9

Manual Integrations
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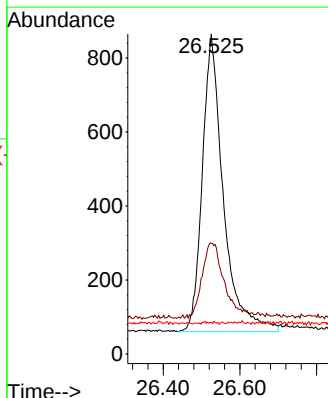
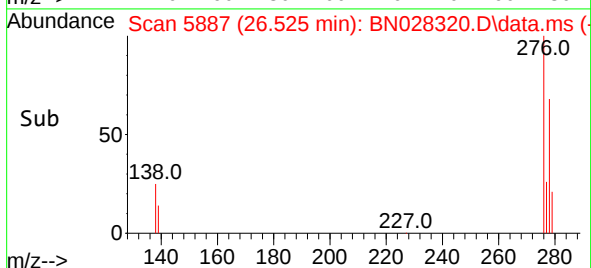
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023

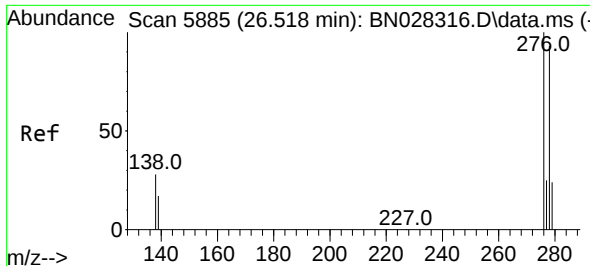


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.076 ng/ul
RT: 26.525 min Scan# 5887
Delta R.T. 0.000 min
Lab File: BN028320.D
Acq: 18 Oct 2023 12:16



Tgt Ion:276 Resp: 3065
Ion Ratio Lower Upper
276 100
138 26.7 21.6 32.4
227 0.1 0.2 0.2





#28

Dibenzo(a,h)anthracene

Concen: 0.075 ng/ul

RT: 26.532 min Scan# 5889

Delta R.T. -0.013 min

Lab File: BN028320.D

Acq: 18 Oct 2023 12:16

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-QT2-2023-04

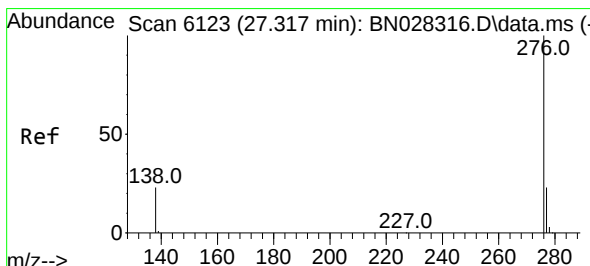
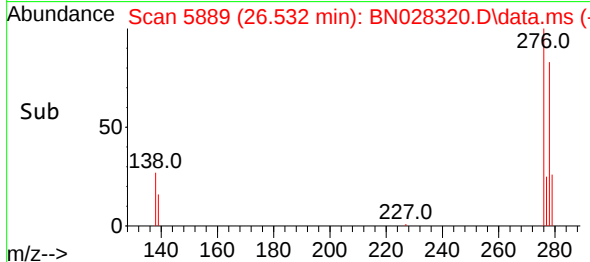
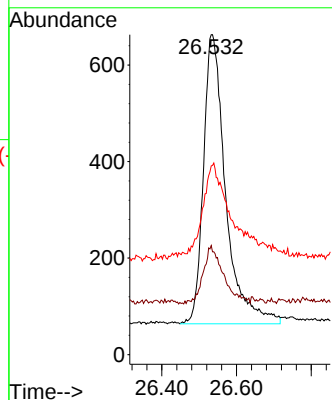
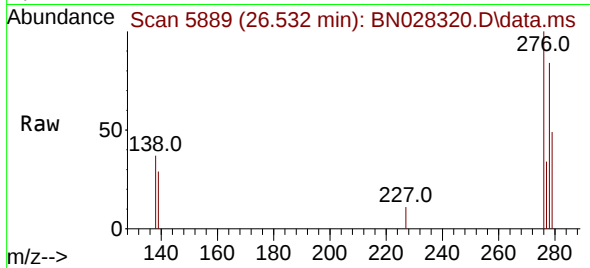
Tgt Ion:278 Resp: 247
 Ion Ratio Lower Upper
 278 100
 139 34.1 15.9 23.9#
 279 59.0 22.8 34.2#

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/19/2023

Supervised By :mohammad ahmed 10/20/2023



#29

Benzo(g,h,i)perylene

Concen: 0.079 ng/ul

RT: 27.330 min Scan# 6127

Delta R.T. 0.000 min

Lab File: BN028320.D

Acq: 18 Oct 2023 12:16

Tgt Ion:276 Resp: 2613
 Ion Ratio Lower Upper
 276 100
 138 35.9 19.8 29.6#
 277 34.0 20.6 31.0#

